

Converting Colors

$Y_{xy}(22.1773, 0.3632, 0.4159)$

Have a look what the booklet for
Yxy(22.1773, 0.3632, 0.4159)
contains.

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Color

Yxy(22.2562, 0.3623, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	838555
RGB	131, 133, 85
RGB Percent	51%, 52%, 33%
CMY	0.4863, 0.4784, 0.6666
CMYK	0.02, 0.00, 0.36, 0.48
HSL	62°, 22%, 43%
HSV	62°, 36%, 52%
XYZ	19.3879, 22.2562, 11.8693
YIQ	126.9300, 14.2160, -15.3520

Conversions

Conversions Part 2

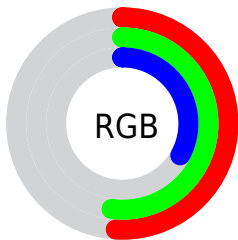
Format	Color
RYB	85, 133, 87
Decimal	8619349
CIELab	54.30, -8.68, 25.66
CIELCh	54, 27.091, 108.683
Yxy	22.2562, 0.3623, 0.4159
Android (android.graphics.Color)	4286809429 (0xFF838555)
YUV	126.9300, -20.6715, 3.5694
Hunter-Lab	47.1765, -9.2016, 18.1066

Details

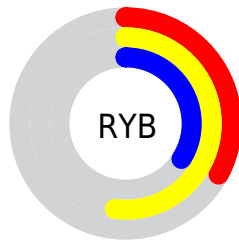
The Yxy color **22.2562, 0.3623, 0.4159** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.2178, 0.2526, 0.2261**, and the grayscale version is **21.2676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1814, 0.3526, 0.3967**, and **8.2365, 0.3785, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **22.0212, 0.3751, 0.4388**, and if you desaturate by 10%, it is **22.5332, 0.3487, 0.3918**.

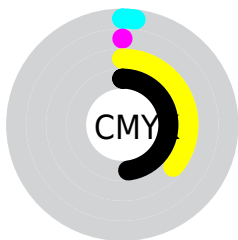
Distribution



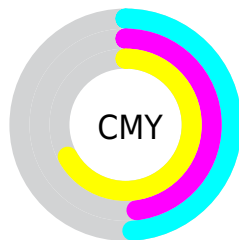
- Red (51%)
- Green (52%)
- Blue (33%)



- Red (33%)
- Yellow (52%)
- Blue (34%)



- Cyan (2%)
- Magenta (0%)
- Yellow (36%)
- Black (48%)




- Cyan (49%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2562, 0.3623, 0.4159 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.2562, 0.3623, 0.4159 by changing the saturation by 10% instead.


 22.2562, 0.3623,
0.4159


 22.2562, 0.3623,
0.4159


263.8813, 0.3355,
0.3666


 14.0453, 0.3694,
0.4304


 47.1691, 0.3521,
0.3964


 8.1522, 0.3786,
0.4503


 64.6398, 0.3484,
0.3896


 4.1925, 0.3903,
0.4789

 85.9659, 0.3454,
0.3840

 1.7818, 0.4361,
0.5639

 111.5319, 0.3428,
0.3793

 0.4758, 0.3356,
0.6644

 141.7220, 0.3405,
0.3754

 0.0000, 0.0000,
0.0000

176.9206, 0.3386,

0.3720

217.5123, 0.3369,
0.3691

■ 22.2562, 0.3623,
0.4159

■ 22.2562, 0.3623,
0.4159

■ 22.0212, 0.3751,
0.4388

■ 22.5332, 0.3487,
0.3918

■ 21.8229, 0.3865,
0.4597

■ 22.8512, 0.3348,
0.3674

■ 21.6599, 0.3962,
0.4776

■ 23.2132, 0.3209,
0.3433

■ 21.5295, 0.4036,
0.4918

■ 23.6209, 0.3075,
0.3200

■ 21.4285, 0.4086,
0.5021

■ 24.0761, 0.2948,
0.2981

■ 21.3516, 0.4114,
0.5086

■ 24.5804, 0.2828,
0.2776

■ 21.3235, 0.4123,
0.5108

■ 25.1352, 0.2717,
0.2587

■ 25.7421, 0.2616,
0.2413

■ 26.4024, 0.2523,
0.2256

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.2562, 0.3974, 0.3969



22.2562, 0.3623, 0.4159



22.2562, 0.3154, 0.4088

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.2562, 0.3623, 0.4159



22.2562, 0.2246, 0.2836



22.2562, 0.3533, 0.2889

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.2562, 0.3623, 0.4159



10.2178, 0.2526, 0.2261

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.2562, 0.3039, 0.2631



22.2562, 0.3623, 0.4159



22.2562, 0.2326, 0.2581

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.2562, 0.3623, 0.4159



22.2562, 0.2375, 0.3259



22.2562, 0.2605, 0.2518



22.2562, 0.3933, 0.3242

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.2562, 0.3623, 0.4159



22.2562, 0.2842, 0.3881



22.2562, 0.2605, 0.2518



22.2562, 0.3371, 0.2790

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.2572, 0.3623, 0.4159



41.2241, 0.3280, 0.3556



12.3954, 0.3938, 0.3323



9.2712, 0.3296, 0.3583



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2572, 0.3623, 0.4159



39.5176, 0.3725, 0.4341



20.5825, 0.3332, 0.4249



5.4134, 0.3251, 0.3505



20.3112, 0.4123, 0.5108



0.0711, 0.4160, 0.5079

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.2178, 0.2526, 0.2261



14.7470, 0.2368, 0.1995



11.5453, 0.2842, 0.2346



4.5531, 0.2998, 0.3066



1.6480, 0.1519, 0.0611



0.0063, 0.1607, 0.0659

Previews

White Background



This preview shows how the Yxy color 22.2562, 0.3623, 0.4159 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.2562, 0.3623, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

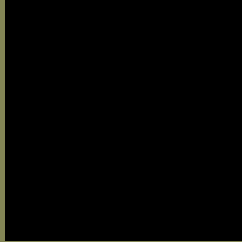
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2562, 0.3623, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 22.2562, 0.3623, 0.4159.



This preview shows how white text looks on a background with the Yxy color 22.2562, 0.3623, 0.4159.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.2562, 0.3623, 0.4159

Protanopia

22.2681, 0.3778, 0.4091

Deuteranopia

22.0720, 0.3965, 0.3899



Tritanopia

22.3033, 0.3135, 0.3119

Trichromacy



Original Color

22.2562, 0.3623, 0.4159

Protanomaly

22.1911, 0.3721, 0.4122

Deuteranomaly

21.9616, 0.3840, 0.3992

Tritanomaly

22.1594, 0.3321, 0.3486

Monochromacy



Original Color

22.2562, 0.3623, 0.4159

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4596, 0.3303, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2562, 0.3623, 0.4159 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 133, 85)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 85)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 133, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 85) }
```

Border

The CSS property to change the border of an element to Yxy 22.2562, 0.3623, 0.4159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 133, 85) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 133, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 133, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 85);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2562, 0.3623, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 85) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
133, 85) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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